

Title (en)

SENSOR ARRAY AND METHOD FOR ELECTROCHEMICAL CORROSION MONITORING

Title (de)

SENSOR-ARRAY-VORRICHTUNG SOWIE EIN VERFAHREN ZUR ÜBERWACHUNG VON ELEKTROCHEMISCHER KORROSION

Title (fr)

RESEAU DE CAPTEURS PERMETTANT DE SURVEILLER LA CORROSION ELECTROCHIMIQUE

Publication

**EP 1373862 B1 20070509 (EN)**

Application

**EP 02715224 A 20020327**

Priority

- US 0209608 W 20020327
- US 27906101 P 20010327
- US 10642702 A 20020326

Abstract (en)

[origin: WO02077615A2] A sensor array for measuring localized corrosion based on electrochemical reactions is disclosed. The sensor has an array of electrodes that are made from the material of interest. The electrodes are electrically insulated from each other and arranged so that a small area of the electrode contacts a corrosive environment. The voltage outputs across the electrodes connected to the electrodes are measured and used as the signals to indicate localized corrosion.

IPC 8 full level

**G01N 17/04** (2006.01); **G01N 17/02** (2006.01); **G01N 27/26** (2006.01); **G01N 27/416** (2006.01)

CPC (source: EP US)

**G01N 17/02** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 02077615 A2 20021003**; **WO 02077615 A3 20021227**; AT E362102 T1 20070615; AU 2002247435 A1 20021008; CA 2441709 A1 20021003; DE 60220035 D1 20070621; DE 60220035 T2 20080117; EP 1373862 A2 20040102; EP 1373862 B1 20070509; JP 2004528552 A 20040916; JP 4141841 B2 20080827; US 2002153907 A1 20021024; US 2004155670 A1 20040812; US 6683463 B2 20040127; US 6987396 B2 20060117

DOCDB simple family (application)

**US 0209608 W 20020327**; AT 02715224 T 20020327; AU 2002247435 A 20020327; CA 2441709 A 20020327; DE 60220035 T 20020327; EP 02715224 A 20020327; JP 2002575618 A 20020327; US 10642702 A 20020326; US 76490604 A 20040126